

# Section II Contents

## B. List of Abbreviations

°C	Degrees Centigrade
1-HOP	1-hydroxypyrene
2-HPMA	2-hydroxypropylmercapturic acid
3HC	3'-hydroxycotinine
3-HPMA	3-hydroxypropylmercapturic acid
ACGIH	American Conferences of Governmental Industrial Hygienists
AE	Adverse Event
ASTDR	Agency for Toxic Substances and Disease Registry
AT	Averaging Time
AUC	Area Under the Curve
BaP	Benzo[a]Pyrene
BBB	Blood Brain Barrier
BMI	Body Mass Index
BOE	Biomarker of Exposure
BW	Body Weight
CA	Concentration of Constituent in Air
CAS	Chemical Abstract
CBF	Cerebral Blood Flow
CCK	Cell Counting Kit
CCS	Chronic Condition Severity
CEMA	2-cyanomethylAcid
CES-D	Centers for Epidemiological Studies 20-item scale for depression
CHD	Coronary Heart Disease
CI	Canadian Intense
CNS	Central Nervous System

CO	Carbon Monoxide
COT	Cotinine
CPD	Cigarettes Per Day
CPT	Cigarette Purchase Task
CR	Coupling
CS	Control Smokers
CSC	Cigarette Smoke Condensate
CT	Cardiovascular Toxicants
CU	Coresta Units
CVD	Cardiovascular Disease
CYP	Cytochrome
DN	Denicotine
DNA	Deoxyribonucleic Acid
DTSC	Department of Toxic Substances
EC	Endothelial Cell
ECG	Electrocardiogram
ED	Exposure Duration
EF	Exposure Frequency
ELISA	Enzyme-Linked Immunosorbent Assay
EM	Exposure Modifier
EPA	Environmental Protection Agency
ET	Exposure Time
ETS	Environmental Tobacco Smoke
F	Frequency of Exposure
F1	Factor 1
F2	Factor 2
FTC	Federal Trade Commission
FTND	Fagerström Test for Nicotine Dependence
GEE	Generalized Estimating Equations

GJIC	Gap Junction Intercellular Communication
GSH	Glutathione
HEC	Human Equivalent Concentration
HERO	Human and Ecological Risk Office
hESC	Human Embryonic Stem Cell
HMOX-1	Heme Oxygenase
HMPMA	3-hydroxy-1-methylpropylmercapturic acid
HN	High Nicotine
HPHC	Harmful and Potentially Harmful Constituents
HQ	Hazard Quotient
HSI	Heaviness of Smoking Index
HT	High Tar
HY	High Yield
IARC	International Agency for Research on Cancer
ID	Identification
IL	interleukin
IN	Intermediate Nicotine
IND	Investigational New Drug
IR	Inhalation Rate
IRIS	Integrated Risk Information System
ISO	International Organization for Standardization
ITT	Intent to Treat
IUR	Inhalation Unit Risk
KY	Kentucky
LCL	Lower Confidence Limit
LDH	Lactate Dehydrogenase
LEC	Lifetime Exposure Concentration
LN	Low Nicotine
M	Menthol

mCEQ	modified Cigarette Evaluation Questionnaire
MCP	Multiple Choice Procedure
mESC	Murine Embryonic Cell
mg	milligram
MI	Myocardial Infarction
MNC	Moderate Nicotine Content
MNWS	Minnesota Nicotine Withdrawal Scale
MRL	Minimal Risk Levels
MS	Main Stream
MSA	Management Science Associates
MSW	Municipal Solid Waste
MTWS	Minnesota Tobacco Withdrawal Scale
MX	Mix
NA	Negative Affect
NAAQS	National Ambient Air Quality Standards
NAB	N-nitrosoanabasine
NAT	N'-nitrosoanatabine
NC	No Change
NFE	Nicotine Free Extract
NHBE	Normal Human Bronchial Epithelial
NIC	Nicotine
NIDA	National Institute of Drug Abuse
NM	Non-Menthol
NMR	Nicotine Metabolite Ratio
NNAL	4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol
NNC	Normal Nicotine Cigarette
NNCC	Normal Nicotine Content Cigarette
NNK	4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone
NNN	N-nitrosornicotine

NO	Nitrous Oxide
NOx	Oxides of Nitrogen
NP	Nicotine Patch
NRC	Nicotine Research Cigarette
NRT	Nicotine Replacement Therapy
NTP	National Toxicology Program
OEHHA	Office of Environmental Health Hazard Assessment
OR	Odds Ratio
OSHA	Occupational Safety and Health Administration
OV	Oven Volatiles
P	Probability
PAH	Polycyclic aromatic Hydrocarbon
PANAS	Positive and Negative Affect Scale
PAR	Platelet Activation Rate
PAS	Platelet Activation State
PD	Puff Duration
PE	Puff Equivalent
PEL	Permissible Exposure Limit
PheT	phenanthrene tetraol
PK	Pharmacokinetics
PLA	Placebo
ppm	Parts per million
PV	Puff Volume
QRA	Quantitative Risk Assessment
QSU	Questionnaire on Smoking Urges
RAGS	Risk Assessment Guidance for Superfund
RDT	Reproductive and Developmental Toxicant
REALM	Rapid Estimate of Adult Literacy in Medicine
REL	Reference Exposure Level

RfC	Reference Concentration
RfDi	Inhalation Reference Dose
RH	Relative Humidity
RNC	Reduced Nicotine Content
ROS	Reactive Oxygen Species
RR	Relative Risk
RT	Respiratory Toxicant
RTI	Research Triangle Institute
RVIP	Rapid Visual Information Processing
S9	Supernatant 9000g fraction
SAE	Serious Adverse Event
SD	Standard Deviation
SKU	Stock Keeping Units
SPMA	s-Phenylmercuric Acid
S-PMA	s-Phenylmercuric Acid
SS	Schizophrenic Smokers
ST	Standard Therapy
TCEQ	Texas Commission on Environmental Quality
TLV	Threshold Limit Value
TNCO	Tar, Nicotine Carbon Monoxide
TNE	Total Nicotine Equivalents
TPM	Total Particulate Matter
UB	Usual Brand
UCL	Upper Confidence Limit
UF	Uncertainty Factor
ULN	Ultra Low Nicotine
UNC	Usual Nicotine Content
VAS	Visual Analogue Scale
VEGF	vascular endothelial growth factor

VLNC	Very Low Nicotine Content
VLNCCs	Very Low Nicotine Content Cigarettes
WHO	World Health Organization
WISDM	Wisconsin Inventory of Smoking Dependence Motives
WST	Water Soluble Tetrazolium